

Postprint: Exploration of Informatized Construction Engineering Applications Based on MR + BIM Technology

Authors: Chu Yi, Shao Zhaotong, Wu Tao

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Abstract

Mixed Reality (MPG) technology offers advantages such as flexibility, interactivity, and real-time capability over Virtual Reality (V P) technology and Augmented Reality (APB) technology, and has thus gradually become a significant approach for various industries to achieve intelligence and informatization. The application of Building Information Modeling (BIM) technology has propelled the informatization development of the architectural engineering industry, while the integrated application of MPG + BIM has emerged as a novel research direction in this field. This paper will explore technical applications in architectural engineering based on the MR device Hololens developed by Microsoft, combined with BIM technology, thereby enhancing visualization, real-time capability, and efficiency in the architectural engineering industry, and providing new insights and pioneering new methodologies for the intelligence and informatization of architectural engineering.

Full Text

Preamble

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